Secure Your Data with Dell Pro Smart Docks

Protect your business at every stage with industry-leading security

Security is paramount in today's digital age. Dell Pro Smart Docks provide industry-leading security features designed to protect your data at every stage. Whether you're securing sensitive business data or ensuring compliance with industry standards, Dell Pro Smart Docks offer a robust, reliable solution.

Dell Pro Smart Docks are engineered to meet the most stringent security Standards, ensuring your systems are resilient to any threat. With cutting-edge security measures, these docks automatically recover from corruption events, verify firmware integrity, and provide advanced encryption protocols.

KEY SECURITY FEATURES

Firmware integrity verification (NIST 800-147)	Prevents unauthorized updates by verifying firmware authenticity before installation.
Automatic firmware recovery (NIST 800-193)	Minimizes system downtime by reverting to previous firmware in the event of corruption.
EAL 6+ Secure Element	Protects sensitive data with the highest level of cryptographic security.
Enterprise-grade encryption	AES encryption safeguards data, while WPA Enterprise Security and TLS 2.0 secure network communications.

Your security matters: Protect your IT infrastructure from security threats. Get started with Dell Pro Smart Docks.

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Get ultimate data protection with built-in physical security

Dell Pro Smart Docks are equipped with various physical security features to prevent tampering and unauthorized access. Each component within the dock is securely identified and authenticated to ensure only authorized components are used.

ADVANCED PHYSICAL SECURITY FEATURES:

Component identity binding	Verifies hardware integrity to prevent unauthorized component swaps.
Chip-to-chip secure sessions	Protects communication integrity and confidentiality.
Tamper resistant design	Sensitive components are placed on the inaccessible side of the motherboard, preventing unauthorized physical access.

Secure your data in flight and at rest

Data security doesn't stop at your device— it must always be protected during transit and storage. Dell Pro Smart Docks actively employs industry-leading cryptographic protections to ensure end-to-end security, no matter where your data is.

INDUSTRY-LEADING CRYPTOGRAPHIC PROTECTIONS

TLS 2.0 security	Encrypts data to prevent interception.
Dell-specific secure channels	Uses session-based protocols with replay protection for seamless cloud-to-dock communication.
EAL 6+ Secure Element	Stores confidential user data safely, accessible only via cryptographically protected channels.

INDUSTRY-LEADING CRYPTOGRAPHIC PROTECTIONS

Firmware attacks mitigated	Automatic updates and integrity verification keep malicious firmware at bay.
Data interception prevented	Secure sessions, TLS encryption, and secure channels block unauthorized access.
Physical tampering prevented	Debug interfaces are disabled, and sensitive components are strategically placed to reduce vulnerabilities.

Protect against all risks with built-in protections

With these built-in security features as well as cryptographic protections, Dell Pro Smart Docks help you stay ahead of any emerging cyber threats. Rest assured that your business data remains secure:

Dell Pro Smart Docks effectively mitigate your common security concerns

Dell Pro Smart Docks offer a comprehensive security solution for businesses that prioritize data protection. By adhering to industry standards and implementing the latest security measures, Dell ensures your business remains protected in an evolving digital world.

Prevent tampering with dock firmware	Adheres to industry standards (e.g., NIST 800-193 and 800-147) with hardware-based root of trust for firmware verification and automatic recovery from corruption.
Safeguard user data, such as Wifi credentials	Uses an EAL 6+ certified secure element, AES encryption, and TLS 2.0 to secure data in transit and at rest, with replay protection and end-to-end encryption.
Shield against physical attacks	Ensures secure component identity binding, disables debug interfaces, and places sensitive components on the inaccessible side of the motherboard to prevent tampering.
Ensure security of the WiFi connecton	Utilizes WiFi 6 with WPA3 Enterprise 192-bit encryption and cloud-based certificate provisioning to safeguard wireless connections and cloud data.
Prevent unauthorized data injection into the dock or PC	Employs comprehensive security measures, including cloud-based provisioning, component replacement protection, and manin- the-middle protections on internal and external data busses, to safeguard against unauthorized data injection.

Ready to elevate your security? Contact us today to learn more about Dell Pro Smart Docks and how they can enhance your IT infrastructure and keep your data safe.

Learn More

Dell Pro Smart Docks deliver security, resilience, and performance—All in one solution.